

AWAP02O-1W
Installation Guide

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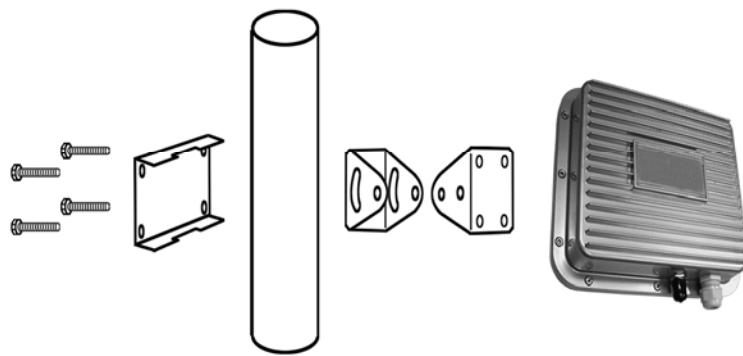
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1 Installation

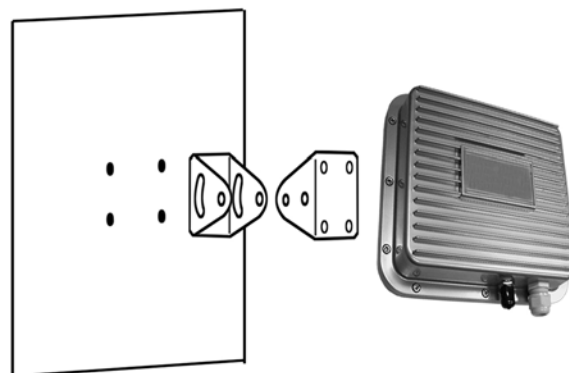
1.1 Package list

- ⊙ AWAP02O-1W
- ⊙ Power Over Ethernet Adapter
- ⊙ User Manual CD
- ⊙ Mounting kits

1. Pipe Mounting Figure



2. Wall Mounting Figure



2 How to Start

2.1 Before start to configure

- ◎ Default IP : 192.168.1.250
Default Mask : 255.255.255.0
 - ◎ Default DHCP is running , client range : 192.168.1.100~192.168.1.200
(If there is a DHCP server existing in the network, disable the DHCP server of AP)
 - ◎ Default User Name/Password : admin/12345
 - ◎ Configure AP by typing <http://192.168.1.250> in the address field of Internet Explorer or Netscape Navigator
- Notices AP and computer must in the same network subnet.

2.2 What the AWAP02O-1W acts

2.2.1 Access Point

An Access Point is a specially configured node on a wireless network that bridges the wireless LAN and a wired LAN.

2.2.2 Client

Client mode allows AWAP02O-1W connect to AP.

Attach wireless ability to personal computer or laptop by connecting Ethernet port directly.

2.2.3 WDS

Wireless Distribution System is a system that enables the interconnection of Access Points wirelessly.

Notice the client can't survey and connect to WDS stations.

2.2.4 WDS +AP

This is a hybrid mode that combines WDS and AP functions.

2.2.5 AP +Repeater

Besides the AP functions, it acts as an infrastructure-client, which is able to link to another AP

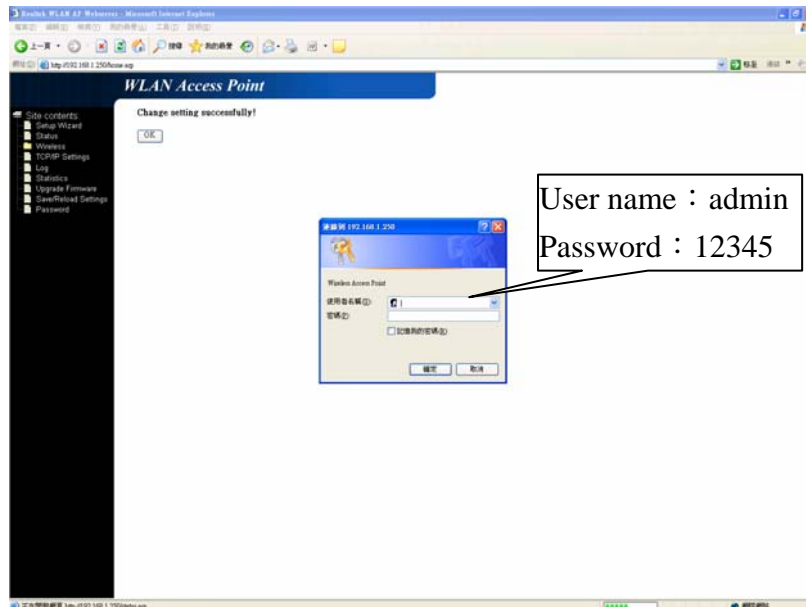
3 Configuration

3.1 Configure AP by Wizard

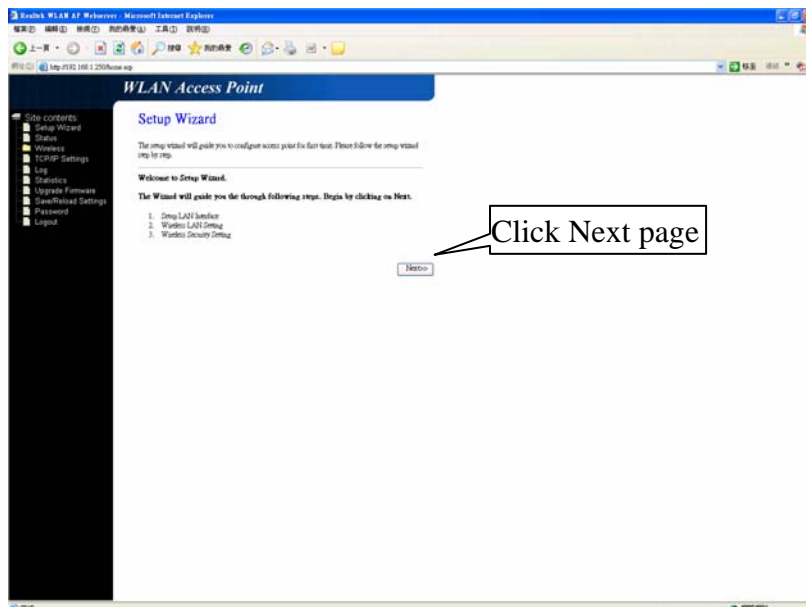
3.1.1 Open configuration page <http://192.168.1.250> ,

It will pop out a dialogue window.

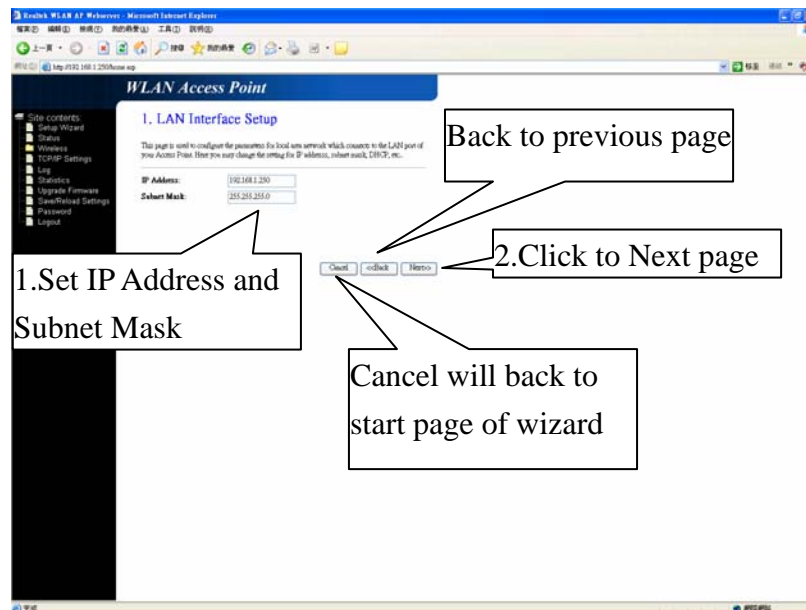
Default user name is **admin** and password is **12345**



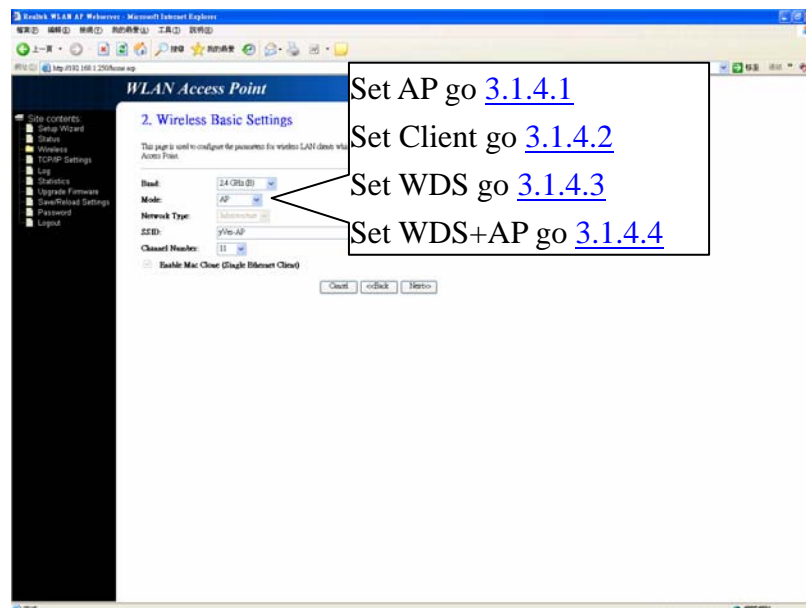
3.1.2 After password check, wizard will be executed.



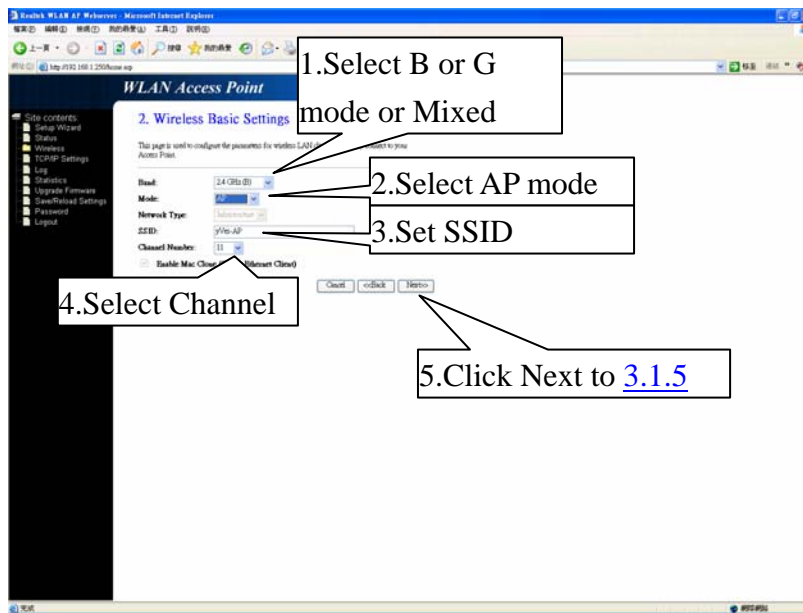
3.1.3 LAN Interface Setup



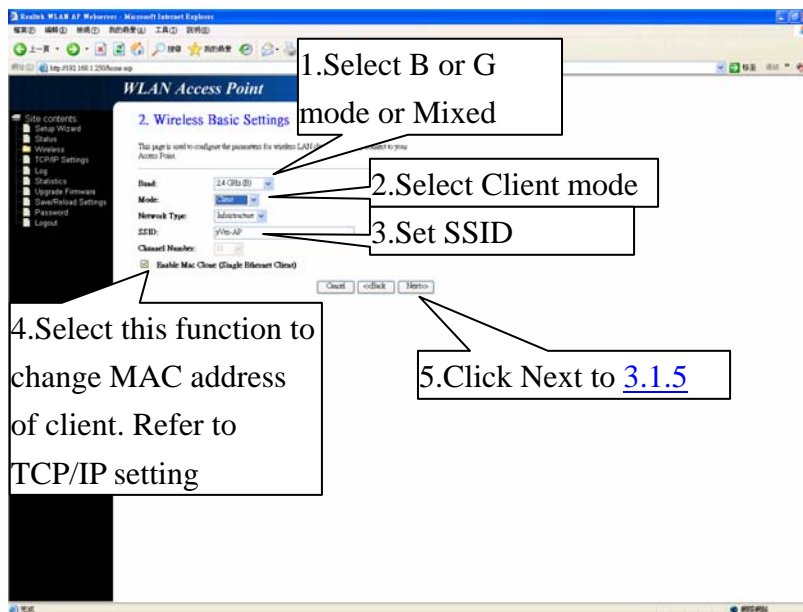
3.1.4 Wireless Basic Setting



3.1.4.1 AP setting



3.1.4.2 Client Setting



3.1.4.3 WDS Setting

The screenshot shows the 'WLAN Access Point' configuration page in a web browser. The '2. Wireless Basic Settings' tab is active. The 'Mode' dropdown is set to 'WDS'. The 'Channel' is set to '11'. The 'SSID' is 'WDS-AP'. The 'Next' button is highlighted.

1. Select B or G mode or Mixed

2. Select WDS mode

3. Set Channel

5. Click Next to [3.1.5](#)

PS. This step just change the operation mode of AWAP02O-1W, the WDS setup is not completed. For more details, please read [WDS configuration](#)

3.1.4.4 WDS+AP Setting

The screenshot shows the 'WLAN Access Point' configuration page in a web browser. The '2. Wireless Basic Settings' tab is active. The 'Mode' dropdown is set to 'WDS+AP'. The 'Channel' is set to '11'. The 'SSID' is 'WDS-AP'. The 'Next' button is highlighted.

1. Select B or G mode or Mixed

2. Select WDS+AP mode

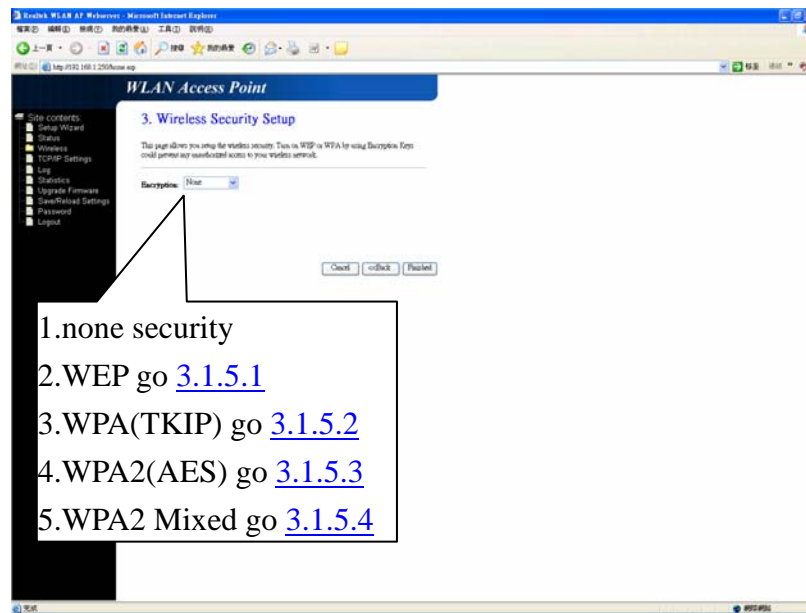
2. Set SSID

3. Set Channel

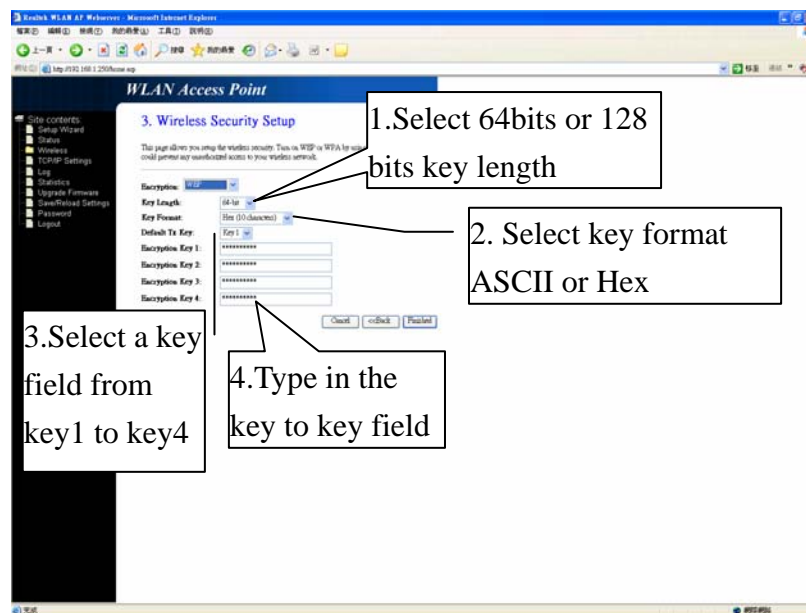
5. Click Next to [3.1.5](#)

PS. This step just change the operation mode of AWAP02O-1W the WDS setup is not completed. For more details, please read [WDS configuration](#)

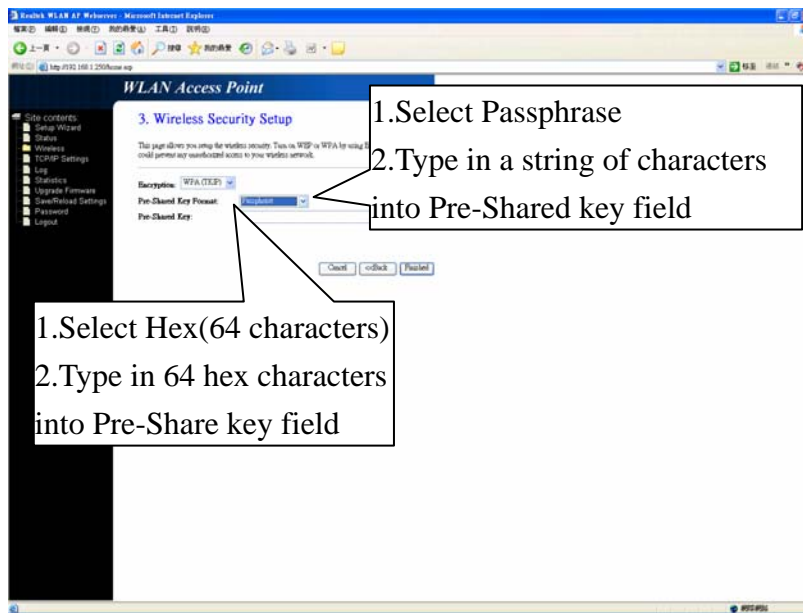
3.1.5 Wireless Security Setup



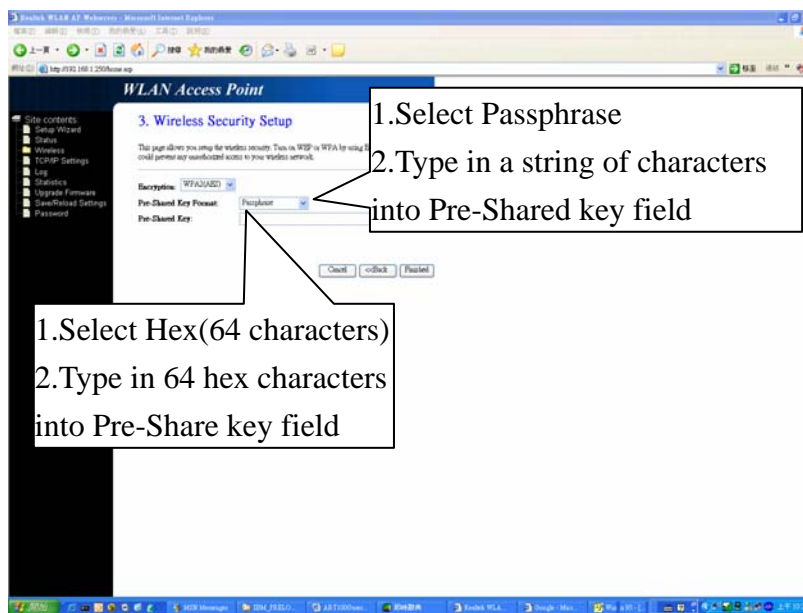
3.1.5.1 Security (WEP)



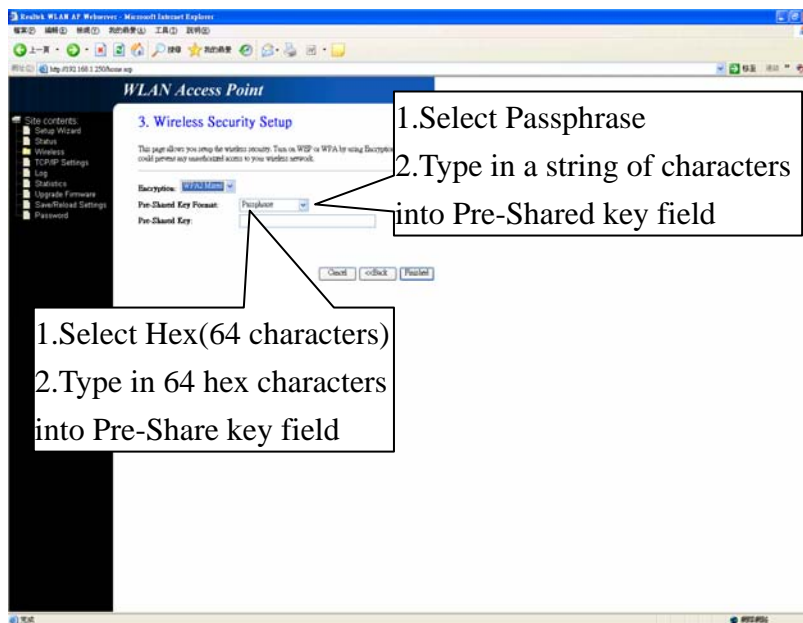
3.1.5.2 Security WPA(TKIP)



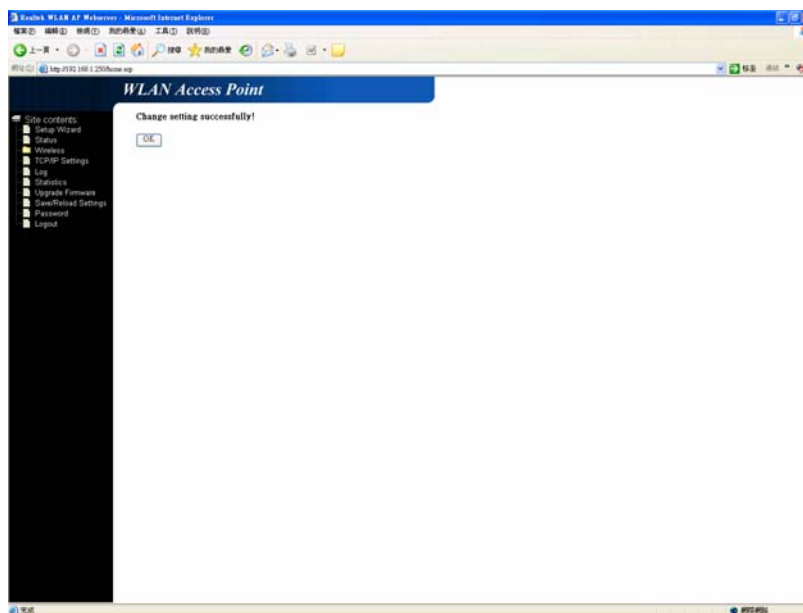
3.1.5.3 Security WPA2 (AES)



3.1.5.4 Security WPA2 (Mixed)



3.1.6 Finish



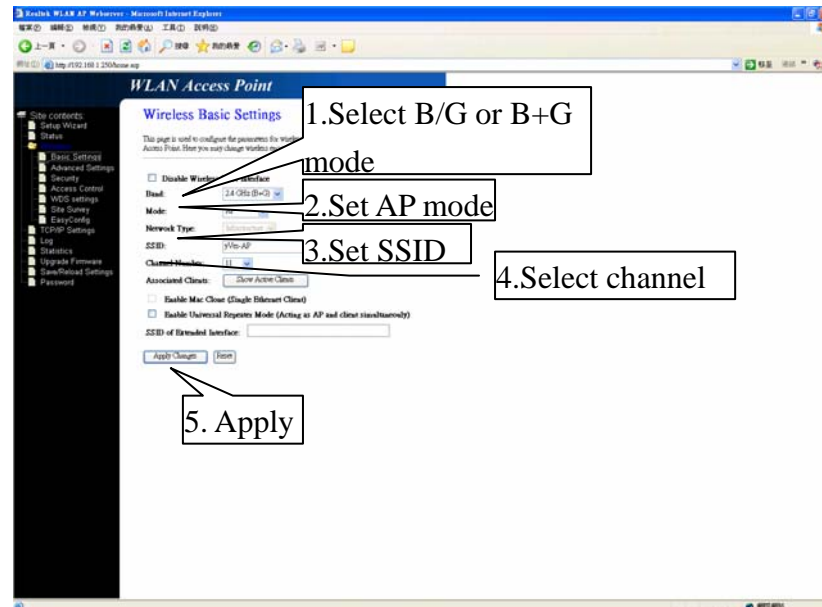
3.2 Configure manually

3.2.1 AP Configuration

Here describes how to setup AP without security setting.

To setup AP with security, please read 3.3.3.

At Basic Setting page :

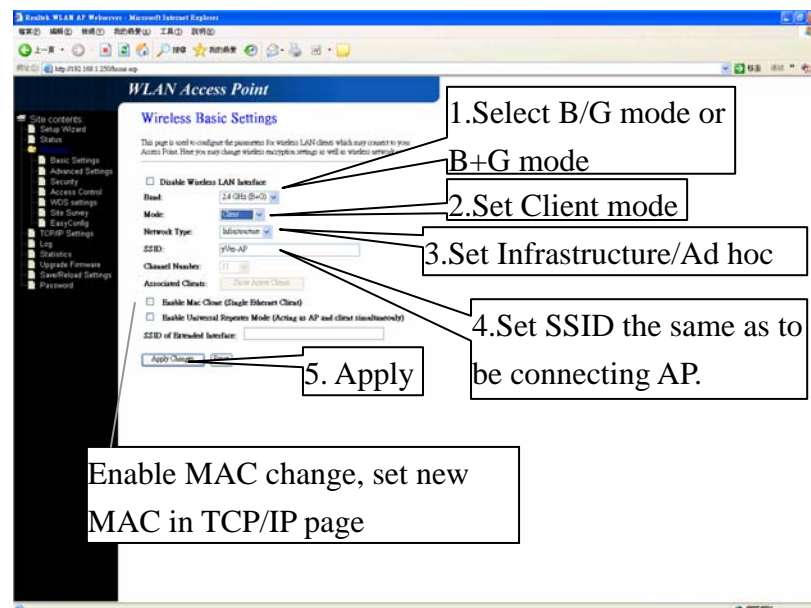


3.2.2 Client Configuration

Notice : Step 3. Infrastructure is for connecting AP and Ad hoc is for connecting another client.

Use Site Survey (3.3.3) to scan and connect to AP

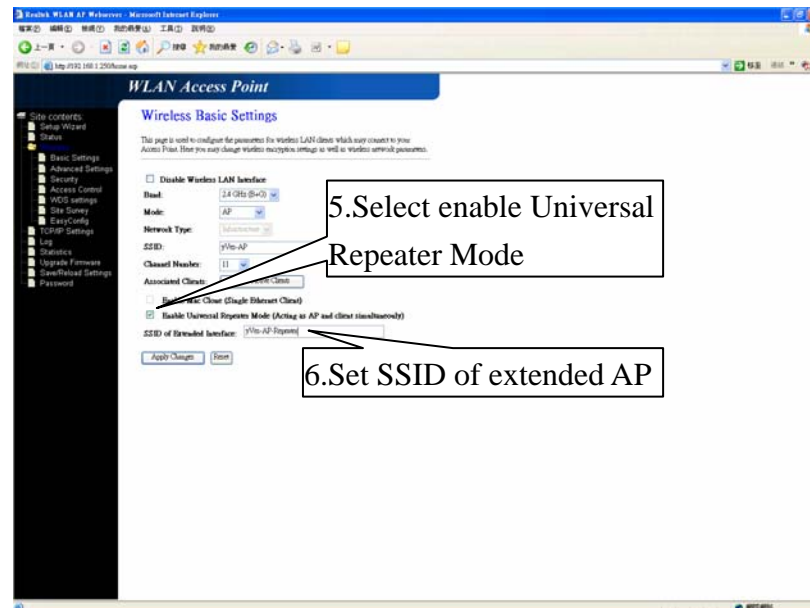
At Basic Setting page :



3.2.3 AP+Repeater Configuration

The step 1~4 is the same as AP setting.

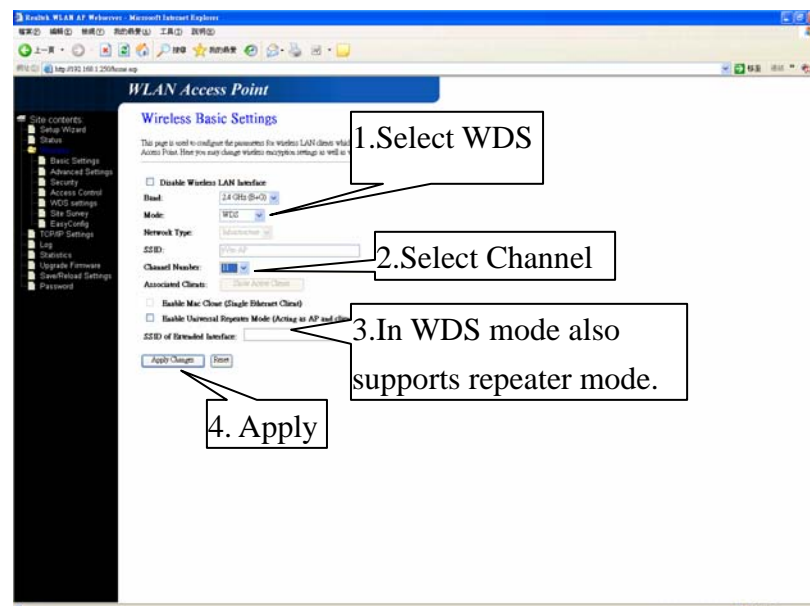
At Basic Setting page :



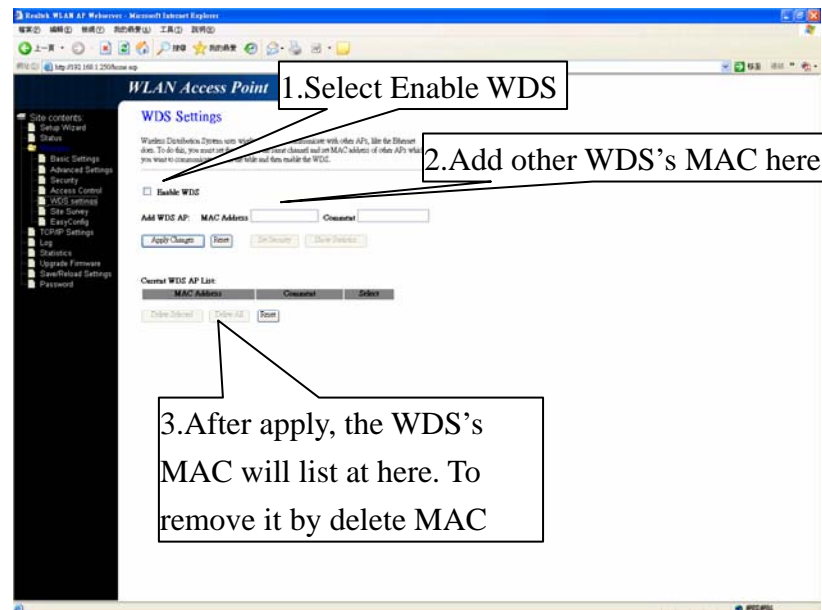
3.2.4 WDS Configuration

At least a pair of AP for setting WDS mode

Step 1. At Basic Setting page :



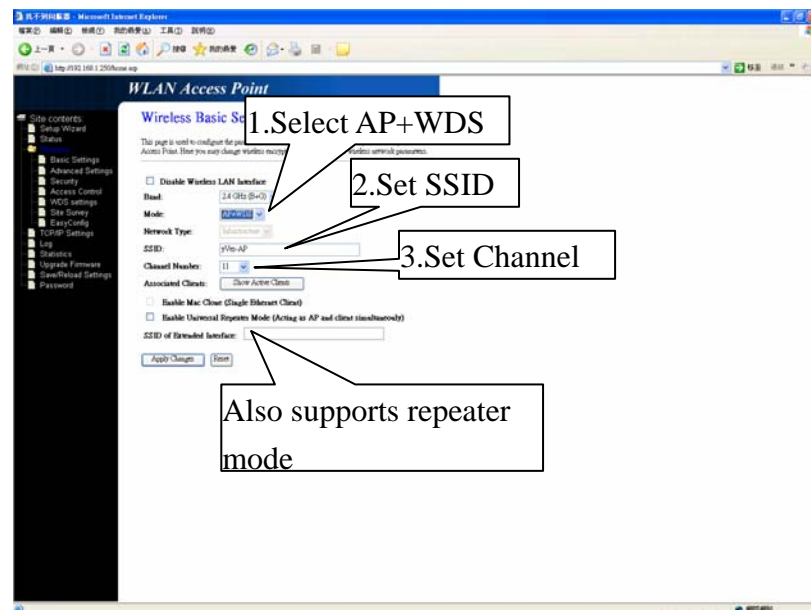
Step 2. At WDS setting



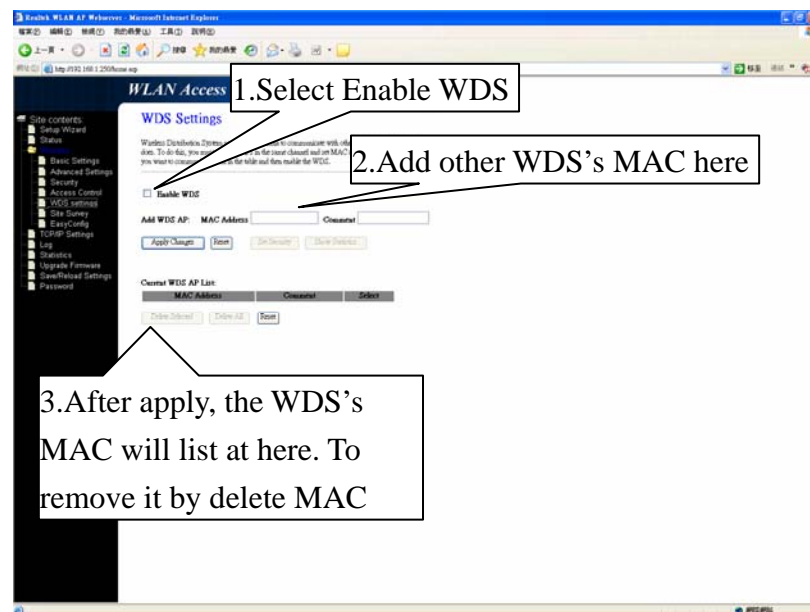
3.2.5 WDS+AP Configure

It combines WDS and AP function together.

Step 1. At Basic Setting page :

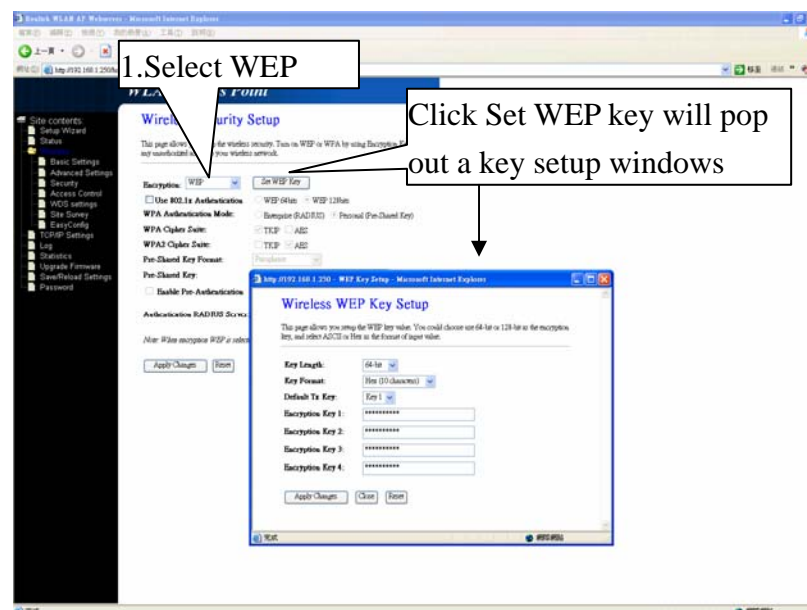


Step 2. At WDS Setting page :

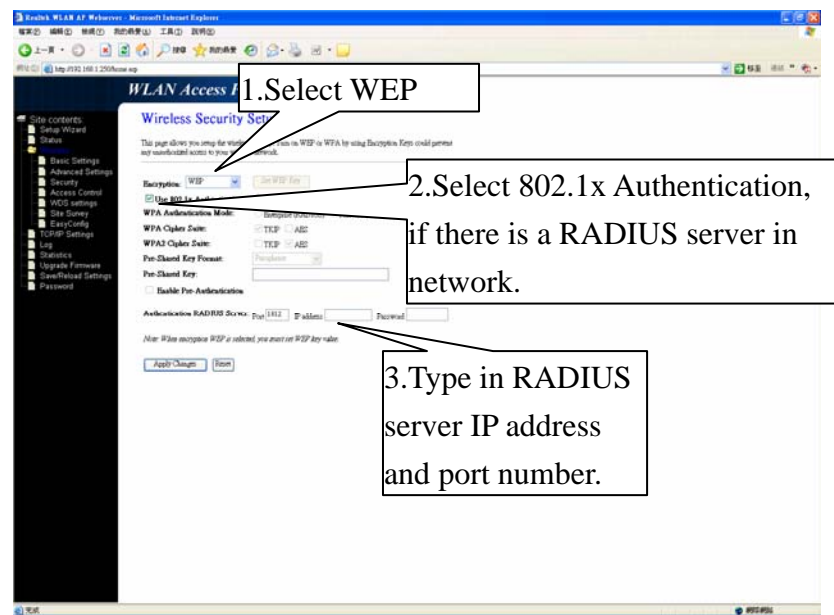


3.2.6 Security Configuration

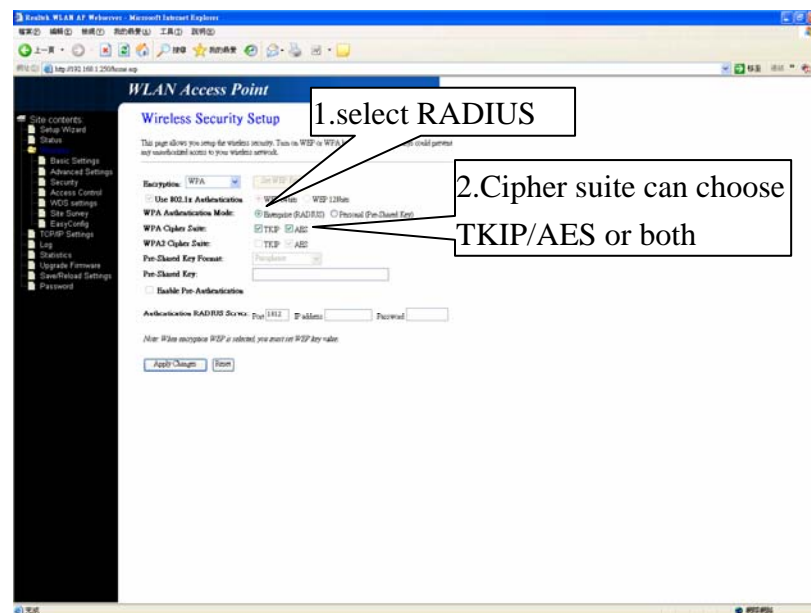
3.2.6.1 Set WEP, at Security page



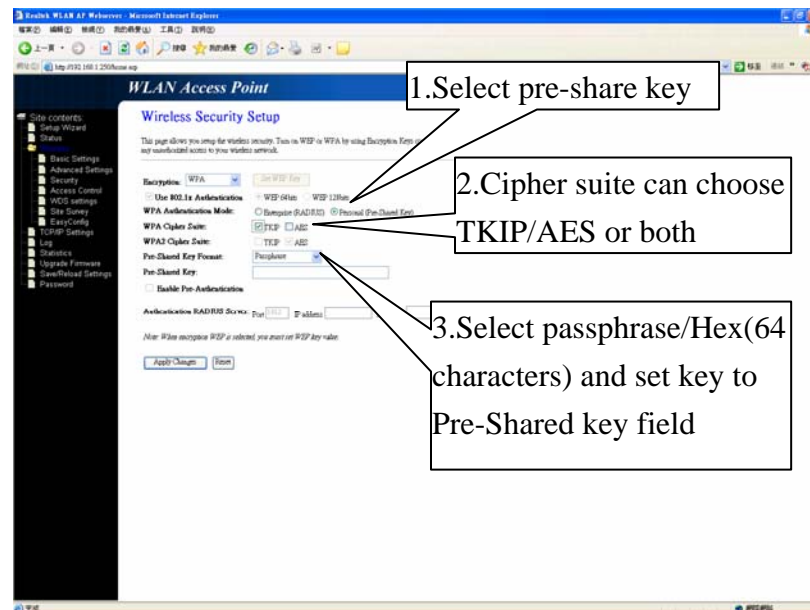
3.2.6.2 Set WEP, 802.1x authentication



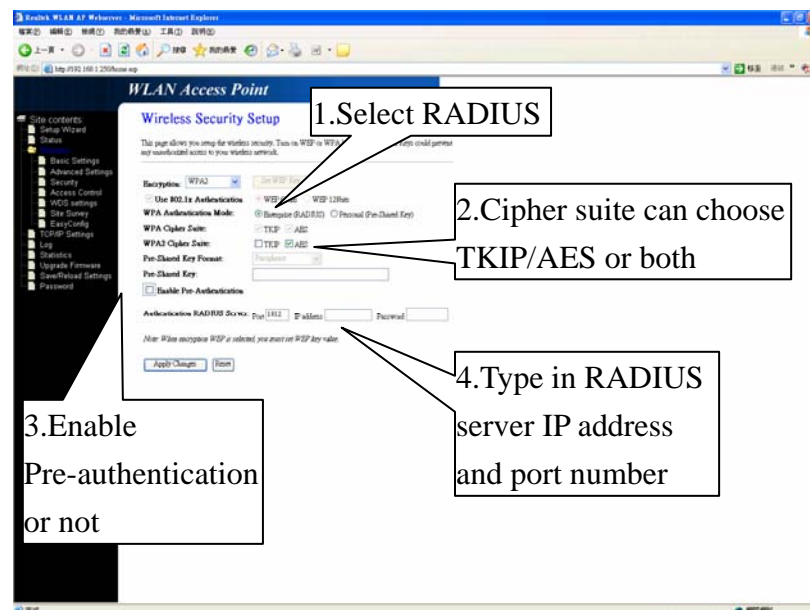
3.2.6.3 Set WPA, At Security page



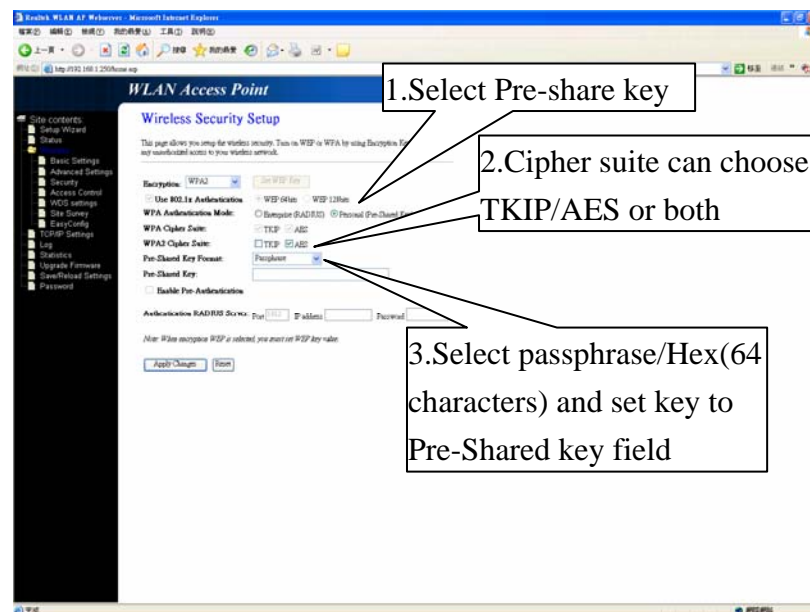
3.2.6.4 Set WPA, At Security page



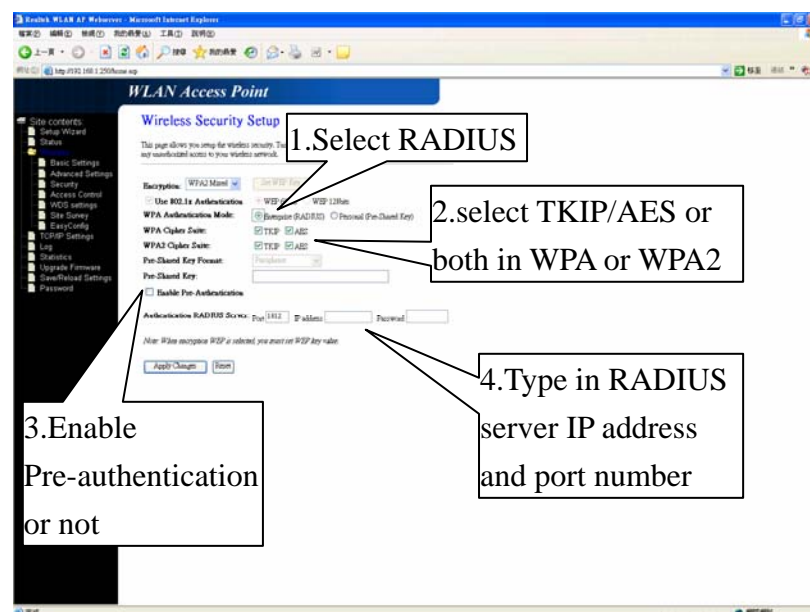
3.2.6.5 Set WPA2, At Security page



3.2.6.6 Set WPA2, At Security page

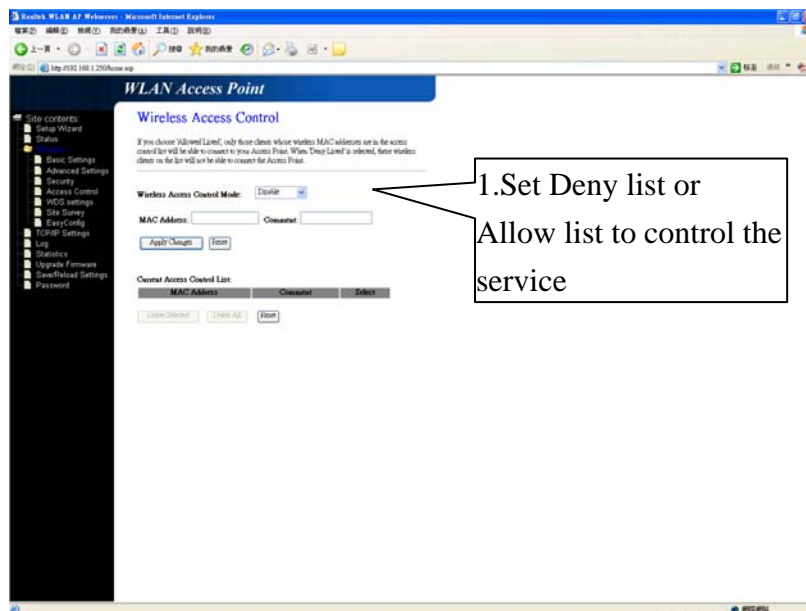


3.2.6.7 Set WPA2 mixed, At Security page



3.2.7 Access Control

At Access Control page



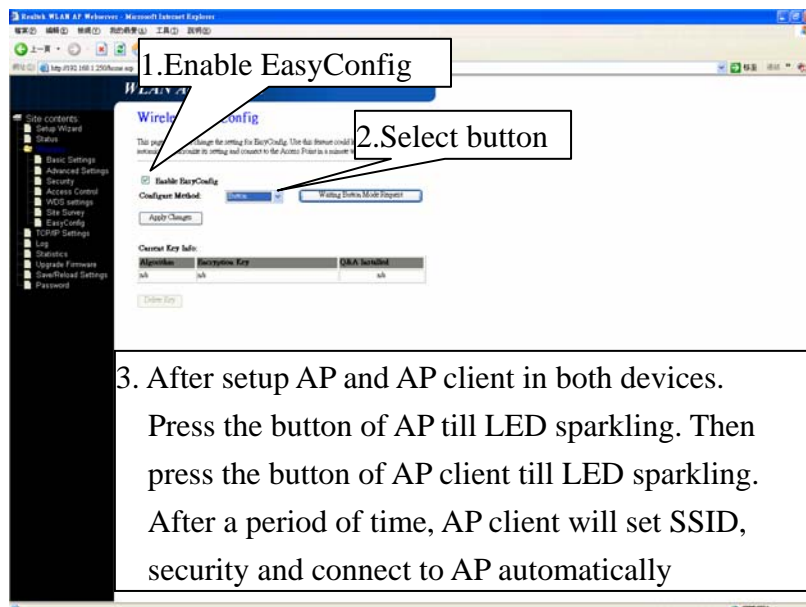
3.2.8 Easy Config

EasyConfig only works in a pair of AWAP02O-1W

It automatically setup two devices to AP and AP client.

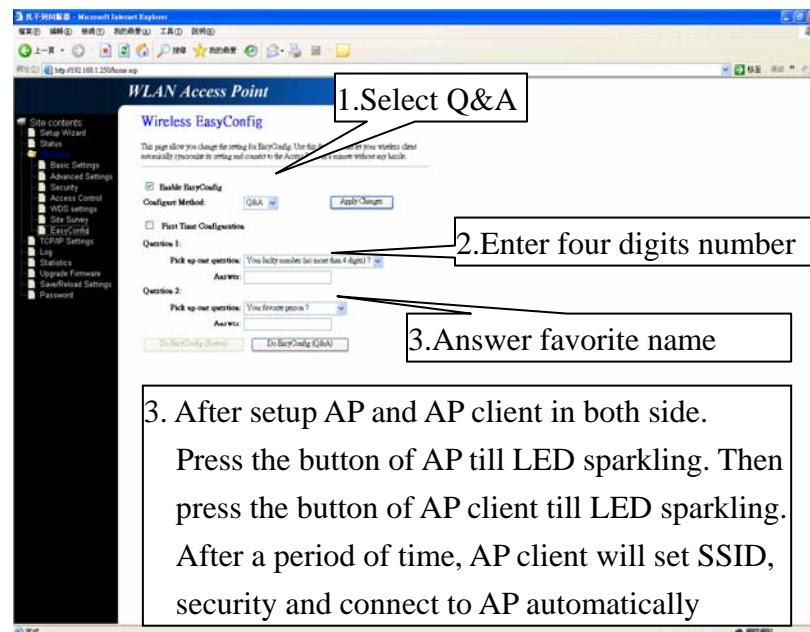
There are two methods to setup (button/Q&A)

3.2.8.1 Button mode

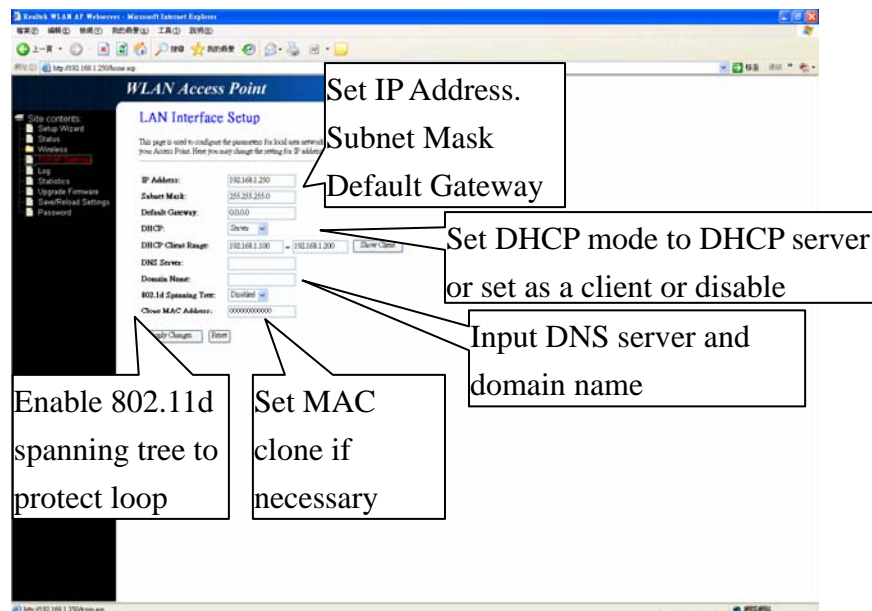


3.2.8.2 Q&A mode

The follow setting is only for AP client. In AP only need set allow Q&A or button+Q&A.



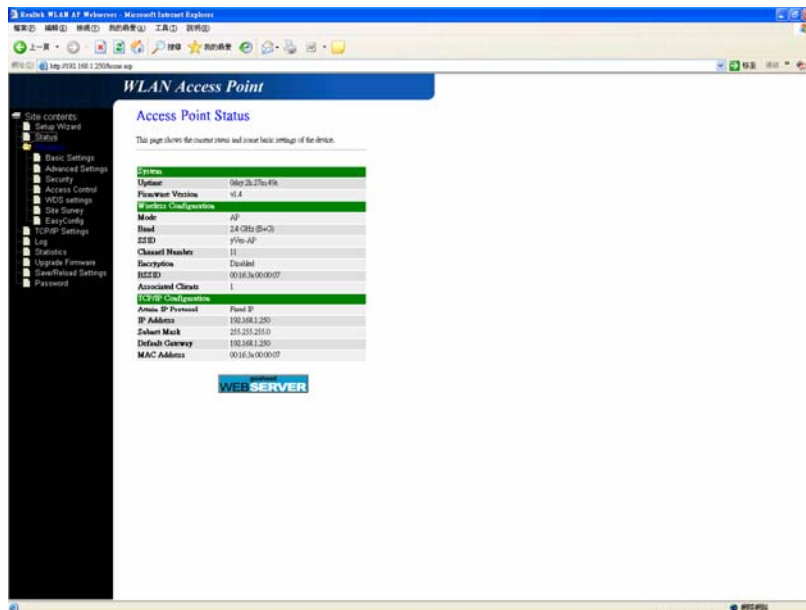
3.2.9 TCP/IP



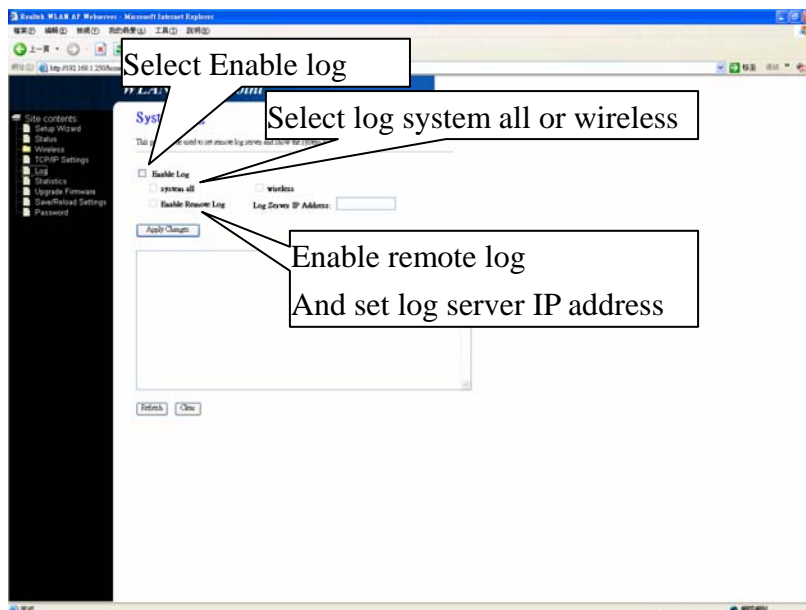
4 System Tools

4.1 Status

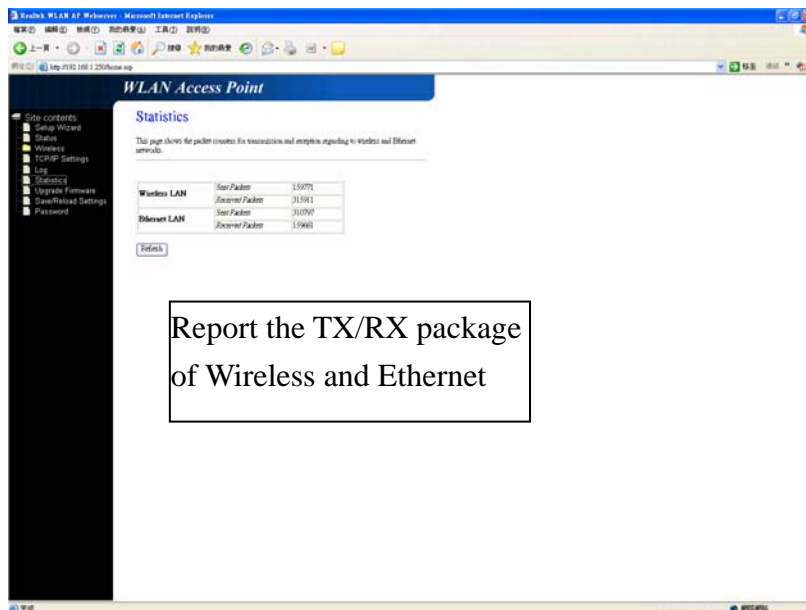
Get system status by reading this page



4.2 Log



4.3 Statistic



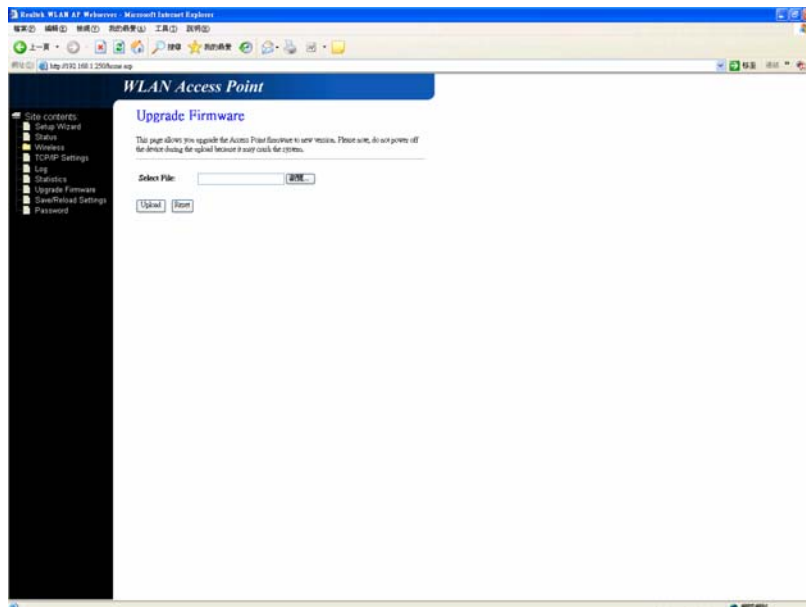
The screenshot shows the 'Statistics' page of a WLAN Access Point. The page title is 'WLAN Access Point' and the sub-header is 'Statistics'. A note states: 'This page shows the packet statistics for transactions and messages regarding to wireless and Ethernet networks.' Below this, there are two tables: 'Wireless LAN' and 'Ethernet LAN'. Each table has two columns: 'Send Packet' and 'Receive Packet'. The 'Wireless LAN' table shows 159775 for Send Packet and 315141 for Receive Packet. The 'Ethernet LAN' table shows 310797 for Send Packet and 159481 for Receive Packet. A 'Refresh' button is located below the tables.

Interface	Send Packet	Receive Packet
Wireless LAN	159775	315141
Ethernet LAN	310797	159481

Refresh

Report the TX/RX package
of Wireless and Ethernet

4.4 Upgrade Firmware

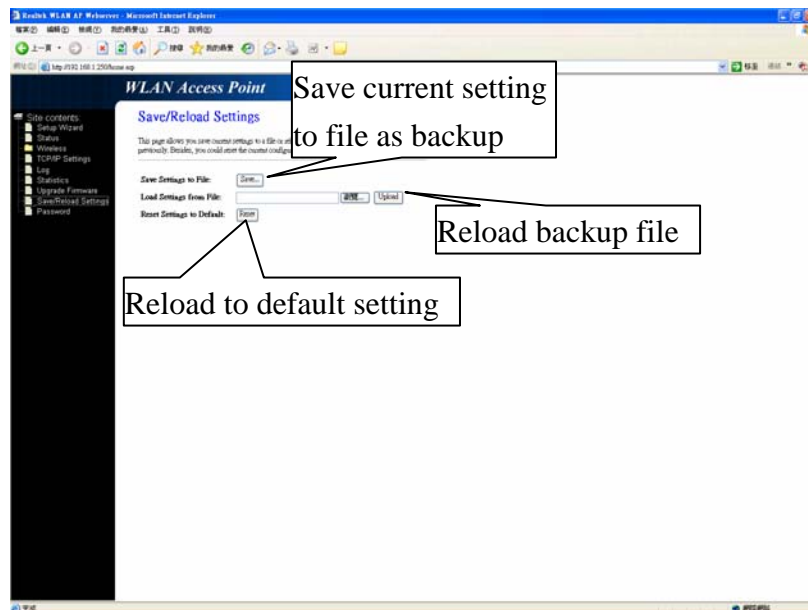


The screenshot shows the 'Upgrade Firmware' page of a WLAN Access Point. The page title is 'WLAN Access Point' and the sub-header is 'Upgrade Firmware'. A note states: 'This page allows you upgrade the Access Point firmware to newer version. Please note, do not power off the device during the upgrade because it may cause the system.' Below this, there is a 'Select File' label followed by a text input field and a 'Browse...' button. At the bottom, there are 'Upload' and 'Reset' buttons.

Select File: Browse...

Upload Reset

4.5 Save/Reload Setting



4.6 Password

